

Resources for Educating Communities and Students about Wood Energy

Community Education and Decision Making

➤ **Community Roadmap to Renewable Woody Biomass Energy – A Step by Step Decision Making Tool**

The *Roadmap* is a civic decision-making tool to help communities through the information-gathering process required to decide whether woody biomass energy technologies applied to one or more buildings can be expected to help meet one or more community goals. This workbook was created so that communities will have the information they need and a logical process to follow to make informed decisions about the role biomass may play in their energy future. This workbook was created for the state of New Hampshire, but the process can be applied to any community.

[http://www.nhrcd.net/files/CommunityRoadmapToRenewableWoodyBiomassEnergy%20FINAL%2012%2015%2010%20footer\[1\].pdf](http://www.nhrcd.net/files/CommunityRoadmapToRenewableWoodyBiomassEnergy%20FINAL%2012%2015%2010%20footer[1].pdf)

➤ **Biomass Energy Resource Center**

Fact sheets, technical publications and case studies provide information about a wide range of biomass energy issues including economic development, fuel supply, emissions and emission controls, and gasification technologies. <http://www.biomasscenter.org>

School Curriculum

➤ **Should We Use Wood for Energy? A High School Education Program**

Grades: High School

18 class activities that tie in components of sustainability, critical thinking, and systems thinking around the question should we use wood for energy? Developed by University of Florida. <http://edis.ifas.ufl.edu/pdf/FR/FR33200.pdf>.

➤ **The Use of Wood Residue to Heat our School - A Fire and Biomass Curriculum**

Grades: Middle School

Understanding the benefits of a biomass boiler installation at their school. Combines lessons about biomass utilization for energy, wildfire safety, forest health, the wood products industry, and energy and economic issues in the community.

Developed by Bitterroot National Forest and Bitter Root RC&D in Montana.

http://www.fuelsforschools.info/pdf/biomass_curriculum_072008.pdf

➤ **Natural Inquirer—Middle School Science Education Journal**

Grades: Middle School

Bioenergy Articles

- *A Chip Off the Old Block: Using Wood Energy to Heat Schools*
- *Chip and Truck: Comparing the Cost of Using Trees to Heat Buildings*
- *How Now Round Cow? Predicting the Energy Future of Tree Crowns*

<http://www.naturalinquirer.org/Bioenergy-Edition-i-23.html>

- **The Hidden Treasure: Forests and Woody Biomass Comic Book**
Grades: late elementary to middle school
Explores the benefits gained from maintaining healthy forests, including wood products such as biomass for energy, biofuels, biochemicals, paper and furniture.
Developed by National Association of Conservation Districts.
<http://nacdnet.org/education/hiddentreasure/>
- **National Energy Education Development (NEED) Project**
Grades: K-12
Comprehensive energy curriculum correlated to state and national standards.
<http://www.need.org>
- **Project Learning Tree**
Grades: Pre K-12
Environmental education curriculum resources that can be integrated into lesson plans for all grades and subject areas. Biomass related modules include *Biochemistry*, *Focus on Forests*, and *Energy and Society*.
<http://www.plt.org/curriculum>
- **Energy Kids Page**
Grades: primary to secondary
Student-friendly website that provides a variety of information and activities about energy for students and teachers. Hosted by US Energy Information Administration
<http://www.eia.gov/kids>